

## EP 832548 Patent Family

10/9/5

DIALOG(R)File 351:Derwent WPI

(c) 2004 Thomson Derwent. All rts. reserv.

010825632 \*\*Image available\*\*

WPI Acc No: 1996-322581/199633 XRPX Acc No: N96-271446

**Plug-in PCB assembly front mounting system with integrated key element for active-passive circuit - includes lever pull-grip for inserting or withdrawing PCB assembly into or out of plug-in position**

Patent Assignee: SIEMENS AG (SIEI )

Inventor: BILLENSTEIN E; KOERBER W; KURRER S; SCHAFFER K; KORBER W

Number of Countries: 026 Number of Patents: 009

### Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29509602	U1	19960711	DE 95U2009602	U	19950612	199633 B
WO 9642186	A1	19961227	WO 95DE1078	A	19950816	199706
EP 832548	A1	19980401	EP 95928945	A	19950816	199817
			WO 95DE1078	A	19950816	
EP 832548	B1	19990512	EP 95928945	A	19950816	199923
			WO 95DE1078	A	19950816	
DE 59505940	G	19990617	DE 505940	A	19950816	199930
			EP 95928945	A	19950816	
			WO 95DE1078	A	19950816	
JP 11507474	W	19990629	WO 95DE1078	A	19950816	199936
			JP 97502461	A	19950816	
ES 2132699	T3	19990816	EP 95928945	A	19950816	199939
<u>US 5940276</u>	A	19990817	WO 95DE1078	A	19950816	199939
			US 97989668	A	19971212	
CN 1186591	A	19980701	CN 95197893	A	19950816	200266

Priority Applications (No Type Date): DE 95U2009602 U 19950612

Cited Patents: DE 4105948; EP 369025; EP 579859

### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

DE 29509602	U1			H05K-007/14	
-------------	----	--	--	-------------	--

WO 9642186	A1	G	17	H05K-007/14	
------------	----	---	----	-------------	--

Designated States (National): CA CN CZ HU JP KR RU SK US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

EP 832548	A1	G		H05K-007/14	Based on patent WO 9642186
-----------	----	---	--	-------------	----------------------------

Designated States (Regional): AT CH DE ES FR GB IT LI NL SE

EP 832548	B1	G		H05K-007/14	Based on patent WO 9642186
-----------	----	---	--	-------------	----------------------------

Designated States (Regional): AT CH DE ES FR GB IT LI NL SE

DE 59505940	G			H05K-007/14	Based on patent EP 832548
-------------	---	--	--	-------------	---------------------------

Based on patent WO 9642186

JP 11507474	W		15	H05K-007/14	Based on patent WO 9642186
-------------	---	--	----	-------------	----------------------------

ES 2132699	T3			H05K-007/14	Based on patent EP 832548
------------	----	--	--	-------------	---------------------------

US 5940276	A			H05K-007/12	Cont of application WO 95DE1078
------------	---	--	--	-------------	---------------------------------

CN 1186591	A			H05K-007/14	
------------	---	--	--	-------------	--

### Abstract (Basic): DE 29509602 U

The front mounting system for a pluggable printed-board assembly for insertion into a sub-assembly (carrier) is provided with the lever pull-grip (19) for inserting or withdrawing the printed board assembly (3) into or out of its plug-in position by means of actuating the grip-part (21).

The grip part (21) must be pressed underneath when extracting the board assembly, so that at least one abutment-nose (27) can be supported on one frontal-edge (39) of the lower transverse rail (37).

USE/ADVANTAGE - Signal switching systems based on plug-in type  
PCBs. Provided with electrical active passive circuit.

Dwg.1/2

Title Terms: PLUG; PCB; ASSEMBLE; FRONT; MOUNT; SYSTEM; INTEGRATE; KEY;  
ELEMENT; ACTIVE; PASSIVE; CIRCUIT; LEVER; PULL; GRIP; INSERT; WITHDRAW;  
PCB; ASSEMBLE; PLUG; POSITION

Derwent Class: V04

International Patent Class (Main): H05K-007/12; H05K-007/14

File Segment: EPI

Manual Codes (EPI/S-X): V04-T02